WHAT IS CLAIMED IS:

1. A method for simultaneous access to circuit services and packet services in a cellular mobile radio system comprising second generation cells and third generation cells, in which method, if a packet or a circuit connection is required by a terminal already having a circuit or a packet connection set up in a second generation cell, the method determines whether a change of cell to a third generation cell is possible and, if so, effects said change of cell in order to allow said circuit and packet connections simultaneously in a third generation cell.

2. A method according to claim 1, wherein the network determines if said change of cell is possible.

3. A method according to either claim 1 or claim 2, wherein, if said connection already set up in a second generation cell is a circuit connection, said change of cell is an intercellular transfer (handover).

4. A method according to either claim 1 or claim 2, wherein, if said connection already set up in a second generation cell is a packet connection, said change of cell is a change of cell ordered by the network.

5. A method according to any one of claims 1 to 4, wherein the terminal signals to the network that a packet or a circuit connection is required simultaneously with a circuit or a packet connection that is already set up and, on receiving said signaling, the network determines if said change of cell is possible.

6. A method according to claim 5, wherein the terminal signals to the network that a packet connection is required simultaneously with a circuit connection that is already set up by sending the network a request to

operate in dual transfer mode.

7. A method according to claim 6, wherein:

- a second generation cell not supporting simultaneous circuit services and packet services signals falsely to mobile terminals in said cell that it supports simultaneous circuit services and packet services,

- a mobile terminal supporting simultaneous circuit services and packet services and having a circuit connection already set up in said cell signals to the network that a packet connection is required by sending the network a request to operate in dual transfer mode, and

- on receiving said signaling, the network determines whether said change of cell is possible.

8. A method according to claim 5, wherein the terminal signals to the network that a circuit connection is required simultaneously with a packet connection that is already set up by sending the network a packet session suspension request.

9. A method according to any one of claims 1 to 8, wherein, when said change of cell has been effected, the network initiates automatic setting up of the connection in said third generation cell by sending the terminal a paging message.

10. A method according to claim 9, wherein, when executing said change of cell, said second generation cell sends said third generation cell information necessary for automatically initiating setting up of the connection by the network.

11. A method according to any one of claims 1 to 8, wherein, when said change of cell has been effected, the terminal initiates setting up the connection in said

third generation cell.

12. A mobile radio system mobile terminal including means for implementing a method according to any one of claims 1 to 11.

13. Mobile radio system radio access network equipment including means for implementing a method according to any one of claims 1 to 11.

12. Mobile radio system core network equipment including means for implementing a method according to any one of claims 1 to 11.